

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/810, 881A

Source: 1Fw0

Date Processed by STIC: 12/16/04

ENTERED



IFWO

RAW SEQUENCE LISTING

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:48

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

3 <110> APPLICANT: Mercken, Marc; Benson, Jacqueline M.
 5 <120> TITLE OF INVENTION: ANTI-AMYLOID ANTIBODIES, COMPOSITIONS, METHODS AND USES
 7 <130> FILE REFERENCE: CEN5021 NP
 9 <140> CURRENT APPLICATION NUMBER: US 10/810,881A
 10 <141> CURRENT FILING DATE: 2004-03-26
 12 <150> PRIOR APPLICATION NUMBER: US 60/458,474
 13 <151> PRIOR FILING DATE: 2003-03-28
 15 <150> PRIOR APPLICATION NUMBER: US 60/458,469
 16 <151> PRIOR FILING DATE: 2003-03-28
 18 <150> PRIOR APPLICATION NUMBER: US 60/458,509
 19 <151> PRIOR FILING DATE: 2003-03-28
 21 <150> PRIOR APPLICATION NUMBER: US 60/458,510
 22 <151> PRIOR FILING DATE: 2003-03-28
 24 <160> NUMBER OF SEQ ID NOS: 131
 26 <170> SOFTWARE: PatentIn version 3.3
 29 <210> SEQ ID NO: 1
 30 <211> LENGTH: 125
 31 <212> TYPE: PRT
 32 <213> ORGANISM: Homo sapiens
 35 <220> FEATURE:
 36 <221> NAME/KEY: MISC_FEATURE
 37 <222> LOCATION: (1)..(125)
 38 <223> OTHER INFORMATION: Vh1 heavy chain variable region
 40 <220> FEATURE:
 41 <221> NAME/KEY: MISC_FEATURE
 42 <222> LOCATION: (1)..(31)
 43 <223> OTHER INFORMATION: framework 1
 45 <220> FEATURE:
 46 <221> NAME/KEY: MISC_FEATURE
 47 <222> LOCATION: (32)..(32)
 48 <223> OTHER INFORMATION: complementarity determinng region 1 (CDR1), X is any amino
 acid.
 50 <220> FEATURE:
 51 <221> NAME/KEY: MISC_FEATURE
 52 <222> LOCATION: (33)..(46)
 53 <223> OTHER INFORMATION: framework 2
 55 <220> FEATURE:
 56 <221> NAME/KEY: MISC_FEATURE
 57 <222> LOCATION: (47)..(47)
 58 <223> OTHER INFORMATION: complementarity determinng region 2 (CDR2), X is any amino
 acid.
 60 <220> FEATURE:
 61 <221> NAME/KEY: MISC_FEATURE
 62 <222> LOCATION: (48)..(79)

p. 7

63 <223> OTHER INFORMATION: framework 3

RAW SEQUENCE LISTING

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:48

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

65 <220> FEATURE:

66 <221> NAME/KEY: MISC_FEATURE

67 <222> LOCATION: (80)..(80)

68 <223> OTHER INFORMATION: complementarity determinng region 3 (CDR3), X is any amino acid.

70 <220> FEATURE:

71 <221> NAME/KEY: MISC_FEATURE

72 <222> LOCATION: (81)..(125)

73 <223> OTHER INFORMATION: framework 4

75 <400> SEQUENCE: 1

77 Gln Val Gln Leu Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly

78 1 5 10 15

W--> 81 Ala Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Xaa

82 20 25 30

85 Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met Gly Xaa Arg

86 35 40 45

89 Val Thr Met Thr Arg Asp Thr Ser Thr Ser Thr Ala Tyr Met Glu Leu

90 50 55 60

93 Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Xaa

94 65 70 75 80

97 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Ser Thr Lys Gly

98 85 90 95

101 Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly

102 100 105 110

105 Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro

106 115 120 125

109 <210> SEQ ID NO: 2

110 <211> LENGTH: 124

111 <212> TYPE: PRT

112 <213> ORGANISM: Homo sapiens

115 <220> FEATURE:

116 <221> NAME/KEY: MISC_FEATURE

117 <222> LOCATION: (1)..(124)

118 <223> OTHER INFORMATION: Vh2 heavy chain variable region

120 <220> FEATURE:

121 <221> NAME/KEY: MISC_FEATURE

122 <222> LOCATION: (1)..(30)

123 <223> OTHER INFORMATION: framework 1

125 <220> FEATURE:

126 <221> NAME/KEY: MISC_FEATURE

127 <222> LOCATION: (31)..(31)

128 <223> OTHER INFORMATION: complementarity determinng region 1 (CDR1), X is any amino acid.

130 <220> FEATURE:

131 <221> NAME/KEY: MISC_FEATURE

132 <222> LOCATION: (32)..(45)

133 <223> OTHER INFORMATION: framework 2

135 <220> FEATURE:

136 <221> NAME/KEY: MISC_FEATURE

137 <222> LOCATION: (46)..(46)

138 <223> OTHER INFORMATION: complementarity determinng region 2 (CDR2), X is any amino acid.

RAW SEQUENCE LISTING

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:48

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

140 <220> FEATURE:
 141 <221> NAME/KEY: MISC_FEATURE
 142 <222> LOCATION: (47)..(78)
 143 <223> OTHER INFORMATION: framework 3
 145 <220> FEATURE:
 146 <221> NAME/KEY: MISC_FEATURE
 147 <222> LOCATION: (79)..(79)
 148 <223> OTHER INFORMATION: complementarity determinng region 3 (CDR3), X is any amino

acid.

150 <220> FEATURE:
 151 <221> NAME/KEY: MISC_FEATURE
 152 <222> LOCATION: (80)..(124)
 153 <223> OTHER INFORMATION: framework 4
 155 <400> SEQUENCE: 2
 157 Gln Ile Thr Leu Lys Glu Ser Gly Pro Ala Leu Val Lys Pro Thr Gln
 158 1 5 10 15
 W--> 161 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Xaa Trp
 162 20 25 30
 165 Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu Trp Leu Ala Xaa Arg Leu
 166 35 40 45
 169 Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val Val Leu Thr Met Thr
 170 50 55 60
 173 Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr Cys Ala Arg Xaa Trp
 174 65 70 75 80
 177 Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Pro Thr Ser Pro
 178 85 90 95
 181 Lys Val Phe Pro Leu Ser Leu Ser Ser Lys Ser Thr Ser Gly Gly Thr
 182 100 105 110
 185 Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro
 186 115 120

189 <210> SEQ ID NO: 3
 190 <211> LENGTH: 100
 191 <212> TYPE: PRT
 192 <213> ORGANISM: Homo sapiens
 195 <220> FEATURE:
 196 <221> NAME/KEY: MISC_FEATURE
 197 <222> LOCATION: (1)..(100)
 198 <223> OTHER INFORMATION: Vh3a heavy chain variable region

200 <220> FEATURE:
 201 <221> NAME/KEY: MISC_FEATURE
 202 <222> LOCATION: (1)..(31)
 203 <223> OTHER INFORMATION: framework 1
 205 <220> FEATURE:
 206 <221> NAME/KEY: MISC_FEATURE
 207 <222> LOCATION: (32)..(32)
 208 <223> OTHER INFORMATION: complementarity determinng region 1 (CDR1), X is any amino

acid.

210 <220> FEATURE:
 211 <221> NAME/KEY: MISC_FEATURE
 212 <222> LOCATION: (33)..(46)
 213 <223> OTHER INFORMATION: framework 2

RAW SEQUENCE LISTING

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:48

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

```

215 <220> FEATURE:
216 <221> NAME/KEY: MISC_FEATURE
217 <222> LOCATION: (47)..(47)
218 <223> OTHER INFORMATION: complementarity determinng region 2 (CDR2), X is any amino
cid.
220 <220> FEATURE:
221 <221> NAME/KEY: MISC_FEATURE
222 <222> LOCATION: (48)..(79)
223 <223> OTHER INFORMATION: framework 3
225 <220> FEATURE:
226 <221> NAME/KEY: MISC_FEATURE
227 <222> LOCATION: (80)..(80)
228 <223> OTHER INFORMATION: complementarity determinng region 3 (CDR3), X is any amino
cid.
230 <220> FEATURE:
231 <221> NAME/KEY: MISC_FEATURE
232 <222> LOCATION: (81)..(100)
233 <223> OTHER INFORMATION: framework 4
235 <400> SEQUENCE: 3
237 Glu Val Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly
238 1 5 10 15
--> 241 Gly Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Xaa
242 20 25 30
245 Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Ser Xaa Arg
246 35 40 45
249 Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr Leu Gln Met
250 50 55 60
253 Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys Ala Arg Xaa
254 65 70 75 80
257 Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Gly Ser Thr Lys Ala
258 85 90 95
261 Pro Ser Val Phe
262 100
265 <210> SEQ ID NO: 4
266 <211> LENGTH: 102
267 <212> TYPE: PRT
268 <213> ORGANISM: Homo sapiens
271 <220> FEATURE:
272 <221> NAME/KEY: MISC_FEATURE
273 <222> LOCATION: (1)..(102)
274 <223> OTHER INFORMATION: Vh3b heavy chain variable region
276 <220> FEATURE:
277 <221> NAME/KEY: MISC_FEATURE
278 <222> LOCATION: (1)..(30)
279 <223> OTHER INFORMATION: framework 1
281 <220> FEATURE:
282 <221> NAME/KEY: MISC_FEATURE
283 <222> LOCATION: (31)..(31)
284 <223> OTHER INFORMATION: complementarity determinng region 1 (CDR1), X is any amino
cid.
286 <220> FEATURE:
287 <221> NAME/KEY: MISC_FEATURE

```

RAW SEQUENCE LISTING

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:48

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

```

288 <222> LOCATION: (32)..(45)
289 <223> OTHER INFORMATION: framework 2
291 <220> FEATURE:
292 <221> NAME/KEY: MISC_FEATURE
293 <222> LOCATION: (46)..(46)
294 <223> OTHER INFORMATION: complementarity determinng region 2 (CDR2), X is any amino
acid.
296 <220> FEATURE:
297 <221> NAME/KEY: MISC_FEATURE
298 <222> LOCATION: (47)..(78)
299 <223> OTHER INFORMATION: framework 3
301 <220> FEATURE:
302 <221> NAME/KEY: MISC_FEATURE
303 <222> LOCATION: (79)..(79)
304 <223> OTHER INFORMATION: complementarity determinng region 3 (CDR3), X is any amino
acid.
306 <220> FEATURE:
307 <221> NAME/KEY: MISC_FEATURE
308 <222> LOCATION: (80)..(102)
309 <223> OTHER INFORMATION: framework 4
311 <400> SEQUENCE: 4
313 Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
314 1 5 10 15
W--> 317 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Xaa Trp
318 20 25 30
321 Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val Gly Xaa Arg Phe
322 35 40 45
325 Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr Leu Tyr Leu Gln Met Asn
326 50 55 60
329 Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr Tyr Cys Thr Thr Xaa Trp
330 65 70 75 80
333 Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro
334 85 90 95
337 Ser Val Phe Pro Leu Ala
338 100
341 <210> SEQ ID NO: 5
342 <211> LENGTH: 101
343 <212> TYPE: PRT
344 <213> ORGANISM: Homo sapiens
347 <220> FEATURE:
348 <221> NAME/KEY: MISC_FEATURE
349 <222> LOCATION: (1)..(101)
350 <223> OTHER INFORMATION: Vh3c heavy chain variable region
352 <220> FEATURE:
353 <221> NAME/KEY: MISC_FEATURE
354 <222> LOCATION: (1)..(30)
355 <223> OTHER INFORMATION: framework 1
357 <220> FEATURE:
358 <221> NAME/KEY: MISC_FEATURE
359 <222> LOCATION: (31)..(31)
360 <223> OTHER INFORMATION: complementarity determinng region 1 (CDR1), X is any amino
acid.

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/810,881A

DATE: 12/16/2004
 TIME: 16:06:49

Input Set : A:\12 10 04 SEQ LIST.txt
 Output Set: N:\CRF4\12162004\J810881A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 32,47,80
 Seq#:2; Xaa Pos. 31,46,79
 Seq#:3; Xaa Pos. 32,47,80
 Seq#:4; Xaa Pos. 31,46,79
 Seq#:5; Xaa Pos. 31,46,80
 Seq#:6; Xaa Pos. 34,49,82
 Seq#:7; Xaa Pos. 32,47,80
 Seq#:8; Xaa Pos. 31,46,79
 Seq#:9; Xaa Pos. 31,46,79
 Seq#:10; Xaa Pos. 25,41,74
 Seq#:11; Xaa Pos. 24,40,73
 Seq#:12; Xaa Pos. 24,40,73
 Seq#:13; Xaa Pos. 24,40,73
 Seq#:14; Xaa Pos. 18,34,67
 Seq#:15; Xaa Pos. 16,32,65
 Seq#:16; Xaa Pos. 23,39,72
 Seq#:17; Xaa Pos. 24,40,73
 Seq#:18; Xaa Pos. 23,39,72
 Seq#:19; Xaa Pos. 23,39,72
 Seq#:20; Xaa Pos. 23,40,73
 Seq#:21; Xaa Pos. 23,39,72
 Seq#:22; Xaa Pos. 23,39,72
 Seq#:23; Xaa Pos. 23,39,72
 Seq#:24; Xaa Pos. 23,39,72
 Seq#:25; Xaa Pos. 23,40,75
 Seq#:26; Xaa Pos. 23,39,74
 Seq#:27; Xaa Pos. 23,39,72
 Seq#:28; Xaa Pos. 23,39,72
 Seq#:29; Xaa Pos. 23,39,72
 Seq#:30; Xaa Pos. 23,39,72

Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
 per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:83,84,85,86,87,88,89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104
 Seq#:105,106,107,108,109,110,111,112,113,114,115,116,117,118,119,120,121,122
 Seq#:123,124,125,126,127,128,129,130,131

VERIFICATION SUMMARY

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:49

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

L:81 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:16
M:341 Repeated in SeqNo=1
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:16
M:341 Repeated in SeqNo=2
L:241 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16
M:341 Repeated in SeqNo=3
L:317 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16
M:341 Repeated in SeqNo=4
L:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16
M:341 Repeated in SeqNo=5
L:473 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:32
M:341 Repeated in SeqNo=6
L:545 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:16
M:341 Repeated in SeqNo=7
L:629 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:16
M:341 Repeated in SeqNo=8
L:709 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:16
M:341 Repeated in SeqNo=9
L:781 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:16
M:341 Repeated in SeqNo=10
L:853 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:16
M:341 Repeated in SeqNo=11
L:925 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:16
M:341 Repeated in SeqNo=12
L:997 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:16
M:341 Repeated in SeqNo=13
L:1069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:16
M:341 Repeated in SeqNo=14
L:1133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
M:341 Repeated in SeqNo=15
L:1205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:16
M:341 Repeated in SeqNo=16
L:1281 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16
M:341 Repeated in SeqNo=17
L:1357 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:16
M:341 Repeated in SeqNo=18
L:1433 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19 after pos.:16
M:341 Repeated in SeqNo=19
L:1509 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:16
M:341 Repeated in SeqNo=20
L:1581 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:16
M:341 Repeated in SeqNo=21
L:1657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:16
M:341 Repeated in SeqNo=22
L:1733 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:16
M:341 Repeated in SeqNo=23
L:1805 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:16
M:341 Repeated in SeqNo=24

VERIFICATION SUMMARY

DATE: 12/16/2004

PATENT APPLICATION: US/10/810,881A

TIME: 16:06:49

Input Set : A:\12 10 04 SEQ LIST.txt

Output Set: N:\CRF4\12162004\J810881A.raw

L:1877 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:16

M:341 Repeated in SeqNo=25